



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

July 24, 2003

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant

RE: Nucor Steel 107-17390-00038

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

FNPERAM.wpd 8/21/02



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July 24, 2003

Mr. Mark Washer
Nucor Steel
Rural Route 2, Box 311
Crawfordsville, Indiana 47933

Re: 107-17390-00038
Third Administrative Amendment to
MSM 107-14782-00038

Dear Mr. Washer:

Nucor Steel was issued a Part 70 Minor Source Modification (MSM) on October 4, 2001 for the construction of a waste water treatment plant (WWTP) at their existing steel mill. A letter requesting to revise the identification numbers and the unit descriptions of some tanks contained in this MSM was received on June 5, 2003. Nucor Steel submitted their Part 70 permit application on November 14, 1996. This Part 70 permit (T107-7172-00038) is currently being drafted and has not yet been issued. Pursuant to the provisions of 2-7-11(a)(7), MSM 107-14782-00038 is hereby administratively amended as follows:

1. The source has requested the following changes:
 - (a) In order to be consistent with the tank labels and addresses used at this source, the Permittee requested the following changes:
 - (i) Redesignating acid tanks T-879, T-880, and T-881 as T-867, T-868, and T-869.
 - (ii) Redesignating spent liquor tanks T-882, T-883, T-884 and T-885 as T-863, T-864, T-865, and T-866.

Revising this description information will not trigger a new requirement or violate a permit term.

- (b) The source also indicated that the maximum capacity of the decant oil tank T-856 is 9,000 gallons, not 5,000 gallons. The increase of the maximum capacity of this tank will also increase the potential to emit from this unit. However, the potential to emit VOC from this tank is less than 1.0 tons/yr and the potential to emit VOC from all the units included in this MSM is still less than 25 tons/yr. Therefore, this change will not affect the permitting level of the existing MSM. In addition, there is no specifically applicable requirement for this tank in this MSM.

Therefore, Conditions A.2 and D.1 have been revised as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

- (a) One wastewater treatment plant, identified as WWTP, consisting of two water recovery systems i.e. oil/alkali wastes and acid rinse water, and surge vessels for the regenerated acid, acid rinse water and spent pickle liquor. The WWTP consists of following:

- (1) oily waste tanks:
 - (A) Two (2) batch treatment tanks, identified as T-853 and T-854, with a maximum capacity of 12,000 gallons each;
 - (B) One(1) decant oil tank, identified as T-856, with maximum capacity of ~~9,000~~**9,000** gallons;
- (b) Three (3) regenerated acid tanks, identified as ~~T-879, T-880 and T-881~~ **T-867, T-868, and T-869**, with maximum capacity of 33,000 gallons each, and exhausting to the existing pickle line scrubber.
- (c) Four (4) spent pickle liquor tanks, identified as ~~T-882, T-883, T-884 and T-885~~ **T-863, T-864, T-865, and T866**, with maximum capacity of 33,000 gallons each, and exhausting to the existing pickle line scrubber.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) One wastewater treatment plant, identified as WWTP, consisting of two water recovery systems i.e. oil/alkali wastes and acid rinse water, and surge vessels for the regenerated acid, acid rinse water and spent pickle liquor. The WWTP consists of following:
 - (1) Oily waste tanks:
 - (A) Two (2) batch treatment tanks, identified as T-853 and T-854, with a maximum capacity of 12,000 gallons each;
 - (B) One(1) decant oil tank, identified as T-856, with maximum capacity of ~~9,000~~**9,000** gallons;
 - (C) One (1) oily waste evaporator feed tank, identified as T-858, with maximum capacity of 20,000 gallons; and
 - (D) One (1) oily waste evaporator concentrate tank, identified as T-857, with maximum capacity of 20,000 gallons.
 - (2) Acid tanks:
 - (A) three (3) acid rinse water surge tanks, identified as T-850, T-851 and T-852, with a maximum capacity of 33,000 gallons each, exhaust to existing pickle line scrubber;
 - (B) One (1) HCl acid day tank, identified as T-860, with maximum capacity 1,000 gallons, exhaust to existing pickle line scrubber;
 - (C) One (1) lime neutralization tank, identified as T-875, with maximum capacity 10,000 gallons, exhaust to a wet particulate scrubber;
 - (D) One (1) acidic rinse evaporator feed tank, identified as T-877, with maximum capacity of 20,000 gallons; and
 - (E) One (1) acidic rinse evaporator concentrator tank, identified as T-878, with maximum capacity of 20,000 gallons.
 - (3) Two (2) closed chamber type evaporator each with a maximum capacity of 1,800 gallons per hour.
 - (4) One (1) cooling tower cell being added to the cold mill cooling tower with additional capacity of 5,000 gallons per minute.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Facility Description [326 IAC 2-7-5(15)] (Continued)

- (b) Three (3) regenerated acid tanks, identified as ~~T-879, T-880 and T-881~~ **T-867, T-868, and T-869**, with maximum capacity of 33,000 gallons each, and exhausting to ~~the~~ existing pickle line scrubber.
- (c) Four (4) spent pickle liquor tanks, identified as ~~T-882, T-883, T-884 and T-885~~ **T-863, T-864, T-865, and T-866**, with maximum capacity of 33,000 gallons each, and exhausting to ~~the~~ existing pickle line scrubber.
- (d) Also the relocation of existing permitted lime silo system. The equipment to be relocated include:
 - (1) one (1) lime silo with maximum capacity of 60,000 pounds;
 - (2) one (1) live bin bottom;
 - (3) one (1) screw conveyor; and
 - (4) one (1) wet particulate scrubber.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

D.1.2 Steel Pickling NESHAP [40 CFR 63, Subpart CCC]

The Hydrochloric Acid storage vessels T-860, ~~T-879, T-880 and T-881~~ **T-867, T-868, and T-869** are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, (40 CFR 63, Subpart CCC, and 326 IAC 20-1-1). Pursuant to 40 CFR 63, Subpart CCC, and 326 IAC 20-1-1, the ~~HCL~~ **HCl** storage vessels are subject to the following conditions:

- (a) The owner or operator of an affected vessel shall provide and operate, except during loading and unloading of acid, a closed vent system for each vessel. Loading and unloading shall be conducted either through enclosed lines or each point where the acid is exposed to the atmosphere shall be equipped with a local fume capture system, ventilated through an air pollution control device.

~~A copy of this rule is enclosed.~~

- 2. Upon further review, IDEM, OAQ has made the following corrections:

D.1.3 Testing Requirements [40 CFR 63, Subpart CCC]

The Permittee shall comply with performance testing requirements for the pickle line scrubber which also controls these new ~~HCL~~ **HCl** tanks as specified in 40 CFR 63 Subpart CCC under 63.1161.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.4 Monitoring Requirements [40 CFR 63, Subpart CCC]

The Permittee shall comply with monitoring requirements for the pickle line scrubber which also controls these new ~~HCL~~ **HCl** tanks as specified in 40 CFR 63 Subpart CCC under 63.1162.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.5 Record Keeping and Reporting Requirements [40 CFR 63, Subpart CCC]

The Permittee shall comply with record keeping and reporting requirements for the pickle line scrubber which also controls these new ~~HCL~~ **HCI** tanks as specified in 40 CFR 63 Subpart CCC under 63.1162.

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/YC

cc: File - Montgomery County
U.S. EPA, Region V
Air Compliance Section Inspector - Jim Thorpe
Compliance Data Section - Karen Nowak
Administrative and Development - Sara Cloe
Technical Support and Modeling - Michele Boner
Part 70 Application File - T107-7172-00038
Part 70 Permit Reviewer - Melissa Groch



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PART 70 MINOR SOURCE MODIFICATION OFFICE OF AIR QUALITY

**Nucor Steel
County Road 400 East,
Crawfordsville, IN 47933**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

This approval is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Minor Source Modification No.: 107-14782-00038	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: October 04, 2001

First Administrative Amendment No.: 107-15059-00038, issued November 02, 2001
Second Administrative Amendment No.: 107-16049-00038, issued June 5, 2002

Third Administrative Amendment No.: 107-17390-00038	Affected Pages: 3, 4, 11, and 12
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: July 24, 2003



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Certification

SECTION A

SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the emission units contained in conditions A.1 through A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a steel mill

Responsible Official:	John J. Ferriola
Source Address:	County Road 400 East, Crawfordsville, IN 47933
Mailing Address:	RR 2, Box 311, Crawfordsville, IN 47933
General Source Phone Number:	(765) 364-1323
SIC Code:	3312
County Location:	Montgomery
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source is approved to construct and operate the following emission units and pollution control devices:

- (a) One wastewater treatment plant, identified as WWTP, consisting of two water recovery systems i.e. oil/alkali wastes and acid rinse water, and surge vessels for the regenerated acid, acid rinse water and spent pickle liquor. The WWTP consists of following:
 - (1) oily waste tanks:
 - (A) Two (2) batch treatment tanks, identified as T-853 and T-854, with a maximum capacity of 12,000 gallons each;
 - (B) One(1) decant oil tank, identified as T-856, with maximum capacity of 9,000 gallons;
 - (C) One (1) oily waste evaporator feed tank, identified as T-858, with maximum capacity of 20,000 gallons; and
 - (D) One (1) oily waste evaporator concentrate tank, identified as T-857, with maximum capacity of 20,000 gallons.
 - (2) Acid tanks:
 - (A) three (3) acid rinse water surge tanks, identified as T-850, T-851 and T-852, with a maximum capacity of 33,000 gallons each, exhaust to existing pickle line scrubber;
 - (B) One (1) HCl acid day tank, identified as T-860, with maximum capacity 1,000 gallons, exhaust to existing pickle line scrubber;

- (C) One (1) lime neutralization tank, identified as T-875, with maximum capacity 10,000 gallons, exhaust to a wet particulate scrubber;
 - (D) One (1) acidic rinse evaporator feed tank, identified as T-877, with maximum capacity of 20,000 gallons; and
 - (E) One (1) acidic rinse evaporator concentrator tank, identified as T-878, with maximum capacity of 20,000 gallons.
- (3) Two (2) closed chamber type evaporator each with a maximum capacity of 1,800 gallons per hour.
 - (4) One (1) cooling tower cell being added to the cold mill cooling tower with additional capacity of 5,000 gallons per minute.
- (b) Three (3) regenerated acid tanks, identified as T-867, T-868 and T-869, with maximum capacity of 33,000 gallons each, and exhausting to the existing pickle line scrubber.
 - (c) Four (4) spent pickle liquor tanks, identified as T-863, T-864, T-865 and T-866, with maximum capacity of 33,000 gallons each, and exhausting to the existing pickle line scrubber.
 - (d) Also the relocation of existing permitted lime silo system. The equipment to be relocated include:
 - (1) one (1) lime silo with maximum capacity of 60,000 pounds;
 - (2) one (1) live bin bottom;
 - (3) one (1) screw conveyor; and
 - (4) one (1) wet particulate scrubber.

A.3 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONSTRUCTION CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

B.3 Revocation of Permits [326 IAC 2-1.1-9(5)][326 IAC 2-7-10.5(i)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

SECTION C

GENERAL OPERATION CONDITIONS

C.1 Certification ~~[326 IAC 2-7-4(f)]~~~~[326 IAC 2-7-6(1)]~~~~[326 IAC 2-7-5(3)(C)]~~

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

C.2 Preventive Maintenance Plan ~~[326 IAC 2-7-5(1),(3) and (13)]~~ ~~[326 IAC 2-7-6(1) and (6)]~~ ~~[326 IAC 1-6-3]~~

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) when operation begins, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP and the PMP extension notification do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to

the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

C.3 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

C.4 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

Compliance Requirements [326 IAC 2-1.1-11]

C.7 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.8 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

If required by Section D, all monitoring and record keeping requirements shall be implemented when operation begins. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.9 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;

- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(10) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.

Any operation shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

C.10 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]
[326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM,

OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.11 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

- (a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.12 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

- (a) The reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) One wastewater treatment plant, identified as WWTP, consisting of two water recovery systems i.e. oil/alkali wastes and acid rinse water, and surge vessels for the regenerated acid, acid rinse water and spent pickle liquor. The WWTP consists of following:
- (1) Oily waste tanks:
 - (A) Two (2) batch treatment tanks, identified as T-853 and T-854, with a maximum capacity of 12,000 gallons each;
 - (B) One (1) decant oil tank, identified as T-856, with maximum capacity of 9,000 gallons;
 - (C) One (1) oily waste evaporator feed tank, identified as T-858, with maximum capacity of 20,000 gallons; and
 - (D) One (1) oily waste evaporator concentrate tank, identified as T-857, with maximum capacity of 20,000 gallons.
 - (2) Acid tanks:
 - (A) three (3) acid rinse water surge tanks, identified as T-850, T-851 and T-852, with a maximum capacity of 33,000 gallons each, exhaust to existing pickle line scrubber;
 - (B) One (1) HCl acid day tank, identified as T-860, with maximum capacity 1,000 gallons, exhaust to existing pickle line scrubber;
 - (C) One (1) lime neutralization tank, identified as T-875, with maximum capacity 10,000 gallons, exhaust to a wet particulate scrubber;
 - (D) One (1) acidic rinse evaporator feed tank, identified as T-877, with maximum capacity of 20,000 gallons; and
 - (E) One (1) acidic rinse evaporator concentrator tank, identified as T-878, with maximum capacity of 20,000 gallons.
 - (3) Two (2) closed chamber type evaporator each with a maximum capacity of 1,800 gallons per hour.
 - (4) One (1) cooling tower cell being added to the cold mill cooling tower with additional capacity of 5,000 gallons per minute.
- (b) Three (3) regenerated acid tanks, identified as T-867, T-868 and T-869, with maximum capacity of 33,000 gallons each, and exhausting to the existing pickle line scrubber.
- (c) Four (4) spent pickle liquor tanks, identified as T-863, T-864, T-865 and T-866, with maximum capacity of 33,000 gallons each, and exhausting to the existing pickle line scrubber.
- (d) Also the relocation of existing permitted lime silo system. The equipment to be relocated include:
- (1) one (1) lime silo with maximum capacity of 60,000 pounds;
 - (2) one (1) live bin bottom;
 - (3) one (1) screw conveyor; and
 - (4) one (1) wet particulate scrubber.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Modification [326 IAC 2-2]

The potential to emit for VOC, PM and PM-10 pollutant are less than 25, 25 and 15 tons per year respectively. Therefore, this modification is not subject to the requirements of PSD significant modification. Any increase in the emissions greater than threshold specified above from this modification must be approved by the Office of Air Quality (OAQ) before such change may occur.

D.1.2 Steel Pickling NESHAP [40 CFR 63, Subpart CCC]

The Hydrochloric Acid storage vessels T-860, T-867, T-868, and T-869 are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, (40 CFR 63, Subpart CCC, and 326 IAC 20-1-1). Pursuant to 40 CFR 63, Subpart CCC, and 326 IAC 20-1-1, the HCl storage vessels are subject to the following conditions:

- (a) The owner or operator of an affected vessel shall provide and operate, except during loading and unloading of acid, a closed vent system for each vessel. Loading and unloading shall be conducted either through enclosed lines or each point where the acid is exposed to the atmosphere shall be equipped with a local fume capture system, ventilated through an air pollution control device.

Compliance Determination Requirements

D.1.3 Testing Requirements [40 CFR 63, Subpart CCC]

The Permittee shall comply with performance testing requirements for the pickle line scrubber which also controls these new HCl tanks as specified in 40 CFR 63 Subpart CCC under 63.1161.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.4 Monitoring Requirements [40 CFR 63, Subpart CCC]

The Permittee shall comply with monitoring requirements for the pickle line scrubber which also controls these new HCl tanks as specified in 40 CFR 63 Subpart CCC under 63.1162.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.5 Record Keeping and Reporting Requirements [40 CFR 63, Subpart CCC]

The Permittee shall comply with record keeping and reporting requirements for the pickle line scrubber which also controls these new HCl tanks as specified in 40 CFR 63 Subpart CCC under 63.1162.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 SOURCE MODIFICATION
CERTIFICATION**

Source Name: Nucor Steel
Source Address: County Road 400 East, Crawfordsville, IN 47933
Mailing Address: RR 2, Box 311, Crawfordsville, IN 47933
Source Modification No.: 107-14782-00038

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this approval.

Please check what document is being certified:

- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Affidavit (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date: